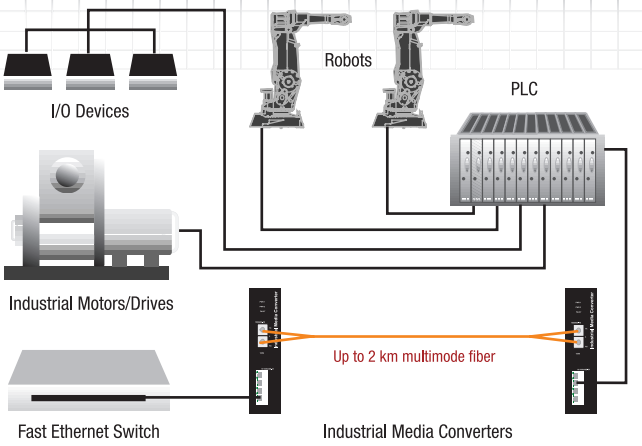
industrial switch

AUTO NEG | AUTO CROSS

Class 1 Div 2 Industrial Switch
10/100BASE-TX to 100BASE-FX
Industrial

SISTF101x-241-LRT
Industrial Switch



Extend Network Distance in Industrial Applications

Transition Networks' industrial switches are hardened devices designed to reliably operate in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments.

Eliminate EMI and RFI issues or overcome distance limitations with copper based cabling by using the Industrial Media Converter to convert your copper based equipment over to fiber optics. The media converter can connect to either 10Base-T or 100Base-TX ports and provides a 100Base-FX fiber optic connection for links up to 20 km.

Features

- Auto-Negotiation
- AutoCross™ [
- DIN Rail Mounting and Wall Mount Brackets Included
- Extended (-40°C to 75°C) operating temperature
- Dual Auto-Sensing Redundant DC Power Inputs
- Barrel connector interface cable included for connecting external AC/DC power supply
- Class 1 Div 2 Certified

Specifications

Standards	IEEE Std. 802.3, 802.3u, 802.3x
Status LEDs	**PWR (Power)**: ON = Unit has power connected **PWR 1 (Power)**: ON = primary power connected **PWR 2 (Power)**: ON = backup power connected **Fault**: ON = Power failure or port link failure **LNK/ACT (fiber)**: ON = Link; Flashing = data transmitting **FDX/COL (fiber)**: ON = Full duplex mode; Flashing = collisions occurring **RJ-45 (Ports 1 – 4)**: ON orange = Full duplex mode; Flashing orange = collisions occurring; ON green = UTP link; Flashing green = data transmitting
Dip Switches	1: Full Duplex Fiber/Half Duplex Fiber
Data Transfer Rate	10BASE-T: 14,880 pps **100BASE-TX:** 148,800 pps
MAC Addresses	1K
Data Memory Buffer	512 Kb
Backplane	1.0 Gbps
Dimensions	**Width**: 1.2" [30 mm] **Depth**: 3.7" [195 mm] **Height**: 5.5" [140 mm]
Ingress Protection	IP 30
Input Power	12 to 48 VDC, 0.2A-0.7A, redundant inputs with reverse polarity protection; Additional barrel connector
Power Consumption	3.3 Watts
Environment	-40 to +75°C Ext. operating temp. 5 – 95% humidity non-condensing 0 – 10,000 ft. altitude -40 to +85°C storage temp.
Shipping Weight	2 lbs. [0.90 kg]
Safety Compliance	UL 60950; UL508; CSA C22.2 no 60950 UL Class 1 Div 2 for hazardous environments
EMI Compliance	CISPR/EN55022; EN60950 Class A; FCC Class A; CE Mark; EN61000-4-2; EN61000-4-3; EN61000-4-4; EN61000-4-5; EN61000-4-6
Environmental Compliance	IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
Warranty	Lifetime

Ordering Information

Extended Operating Temperature: -40°C to +75°C

SISTF1013-241-LRT
(4) 10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to (1) 100BASE-FX 1300nm MM (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SISTF1014-241-LRT
(4) 10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to (1) 100BASE-FX 1310nm SM (SC)
[20 km/12.4 mi.] Link Budget: 17.0 dB

SISTF1011-241-LRT
(4) 10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to (1) 100BASE-FX 1300nm MM (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

Optional Accessories *(sold separately)*

External AC/DC Power Supply

SPS-UA12DHT
(100-240 VDC input
0°C to +70°C operating temperature)

25083
Universal AC/DC Input DIN Rail Mounable +12 VDC Power Supply
DC Voltage: 12V; Current Range: 0~2A;
Output Rated Power: 24 Watts
Input Voltage Range: 85~264 VAC; 120~370 VDC
Working Temperature: -20~+60°C

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